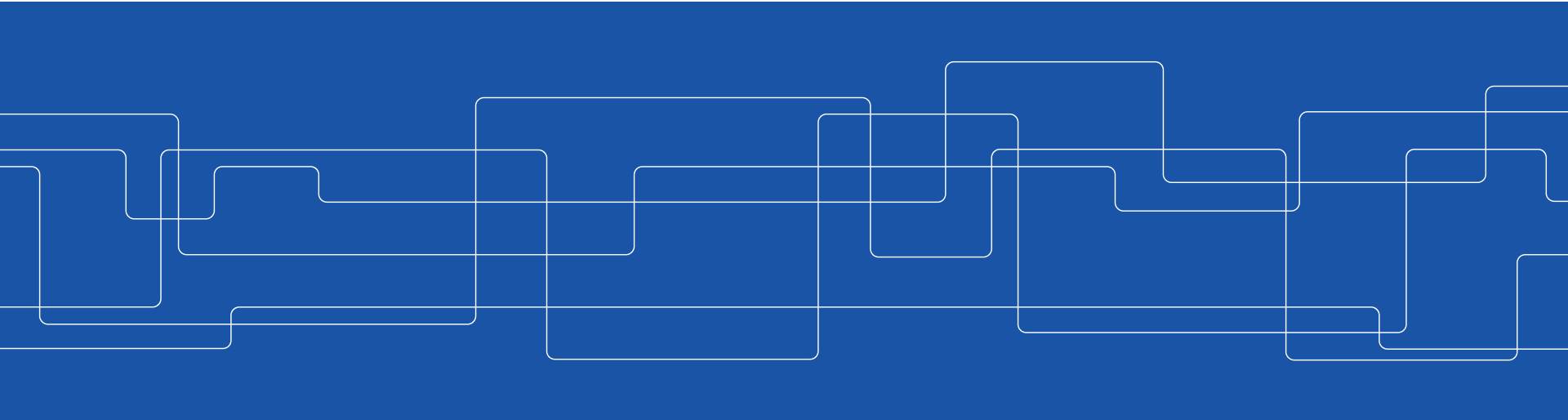




Final Degree Project In Swedish: Exjobb

Ben Slimane, EECS School





Final Degree Project

➤ Information available on the programme webpage

<https://www.kth.se/social/program/tcomm/page/degree-project-7/>

- General information
- Course codes
- Registration form
- Project plan template
- Assessment template of degree project



Application for Degree Project

December 15	Upload degree project plan to Canvas
January 10 - 31	Register to the degree project via your personal menu
After January 31	Programme coordinator will register you after reception of the form



Thesis Project Requirements

- A thesis project should be
 - an individual investigation, at the M.Sc. Level,
 - with some novelty,
 - based on Engineering Science concepts, and
 - comprising of 20 weeks full time work (5-6 months)
- Requires election and registration as any other course
 - Course code: DA246X (P/F grade), EA246X (P/F grade)
 - 30 ECTS credits



Formal Requirements

- **Written thesis report**
 - Literature study, results shall be presented and analyzed
 - Language, formal aspects
- **Oral presentation**
 - Oral presentation with discussion, argumentation, and analysis
- **Attendance of 2 degree project final presentations**
- **Opposition on another degree project**
 - Written report
 - Oral presentation



Grading

- The final grade of the degree project is based on:
 - **Scientific and technical content**
 - **Process:** independence, responsibility, willingness to learn, time plan and time management
 - **Presentation skills:** written report and oral presentation



Responsibilities

- Actors:
 - Student
 - KTH examiner, KTH advisor (appointed by the examiner)
 - Industrial project: External advisor
- Responsibility:
 - Student's responsibility to find project and to find examiner
- First step: Find a project that fits the TCOMM program



Where Can I find a Thesis Project?

- **Digital Degree Project Fair 2020**, 14 October, 11:30 – 15:00
<https://www.kth.se/en/eecs/om-oss/konferenser-och-event/degree-project-fair2020>
- **KTH web catalogue:**
<http://www.kth.se/en/samverkan/exjobb/studenter>
- **Dept. web catalogue:** <https://www.kth.se/cos/studies/thesis-proposals-1.933406>
- **Company web catalogues:** Ericsson, Huawei, ABB, Scania, SICS, ACREO, etc...
- **Individual proposals:** You come up with your own project idea



After Finding a Project!

- Send me an email with the project description (including contact person)
 - Avoid loose project descriptions!
- Find examiner at KTH
 - May be suggested by the contact person
 - If not: you have to find one.
 - Contact us and we help, or
 - find a professor you know and works in the given area.
Preferably from the EECS school
- The examiner approves the project, assigns an advisor, and signs the registration form



Project Description

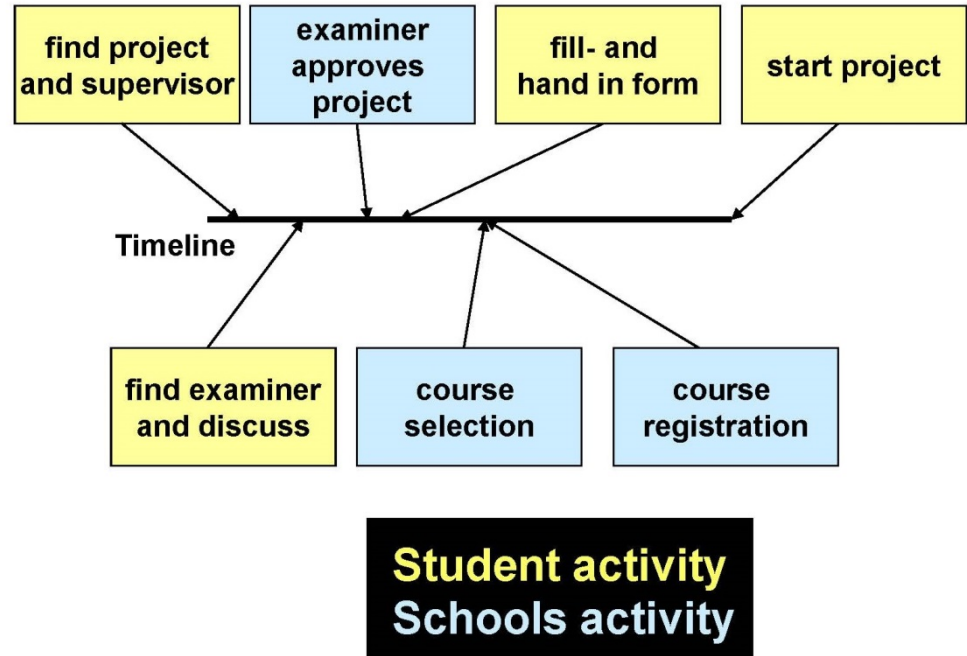
➤ A project description is one page containing:

- *Title of the project*
- *Contact Person(s)*
- *Background*
- *Problem Formulation*
- *List of references*

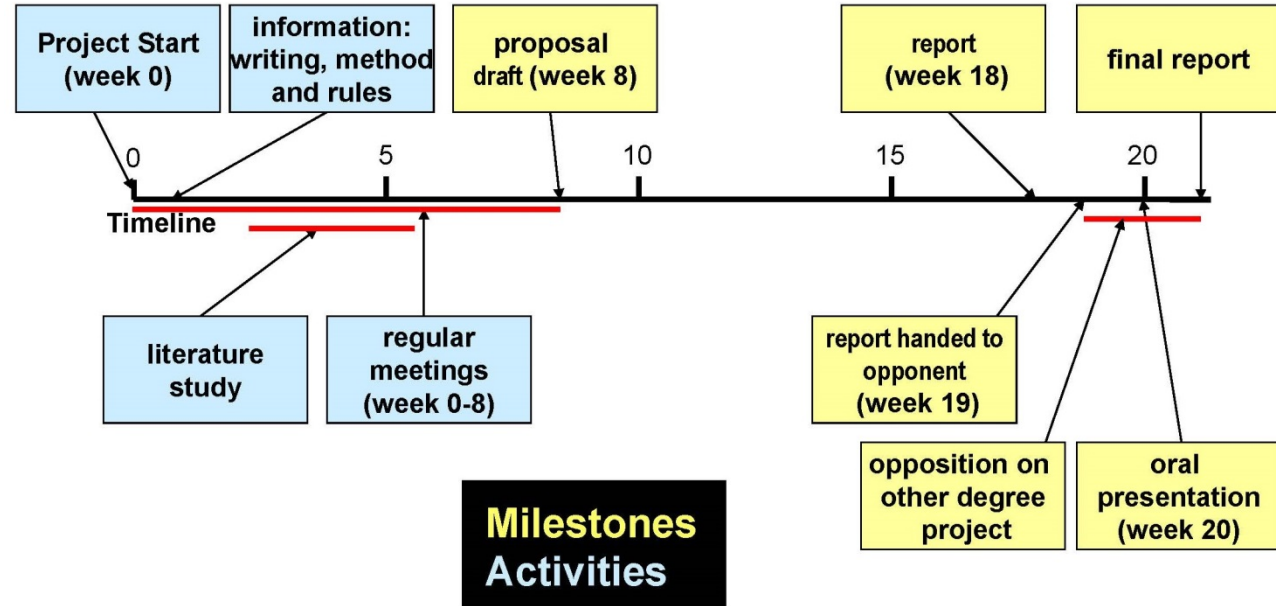
Process

- Application material:
 - Applying for a project: Provide transcripts and CV, emphasize what you are good at and show interest
 - Apply for many positions at the same time – selection process takes time, you can always say no
- Looking for an examiner for an external project: Provide project description, contact details of external advisor
- Be active during the project:
 - Weekly (or bi-weekly) progress reports to your advisor/examiner
 - Inform your examiner about any delays (changes in time plan)
- **Do not start a project without an examiner!**
 - Confidentiality issues. The thesis report needs to be public!
 - Level of the project (qualification as a master thesis)

The Start-up Phase



The Work Phase





Activities

- **Information:** writing, method, rules
 - Can be seminar or information by examiner
- **Literature study** (4 to 6 weeks):
 - Essential aspect (knowledge acquisition and presentation)
 - Supported by regular meetings
 - Important part of draft
- **Proposal report** (6 to 8 weeks)
 - A written report of about 15 pages
 - Presentation of about 10 min
 - A more detailed problem formulation with method to be used, expected results, time plan, and preliminary thesis outline



The Written Report

- The written report is an essential outcome
- Approach to writing
 - Continuous development, refinement, extension: no insight lost
 - Start writing from day one
- Proposal report
 - Absolutely essential for check of progress
- Project report draft in week 18
 - Complete including formal aspects & language



The Opposition

- Student must be opponent to other student's degree project:
 - Critical comments should improve written report
 - Opponent must demonstrate: ability to reflect on, evaluate, and critically review the work of others

- Opponent must write a report that
 - Evaluates and critically reviews report
 - Requests for improvement (language, structure, content, and so on)
 - Attends oral presentation and provides feedback



The Oral Presentation

- Public presentation:
 - Student contacts examiner sufficiently early
 - Examiner publicly announces date, place, short abstract
 - Report sent to the opponent at least one week before the presentation

- Opponent must attend oral presentation



Active listener

- Active listener on at least **two** other degree project seminars
 - As active listener you need to read the report before hand
 - Ask at least one question each.

- Make sure that you get your assessment template signed!
 - The examiner of the presenter signs the documents

Can I do my thesis together with my friend/colleague?

- No – you have to write your own thesis
- Yes – you can work together with others in the same project
- Define **YOUR** work clearly (and distinguish it from the others in the project team)



Confidentiality & IPRs



➤ The problem:

- The company owns the results
- The thesis, when approved, becomes a public document
- The proposal seminar and final seminar are open to anyone

➤ The solution:

- Show the procedure document to the advisors at the company
- Discuss potential problems early as they are discovered - preferably when or before getting the proposal approved
- File patents early - to avoid delays



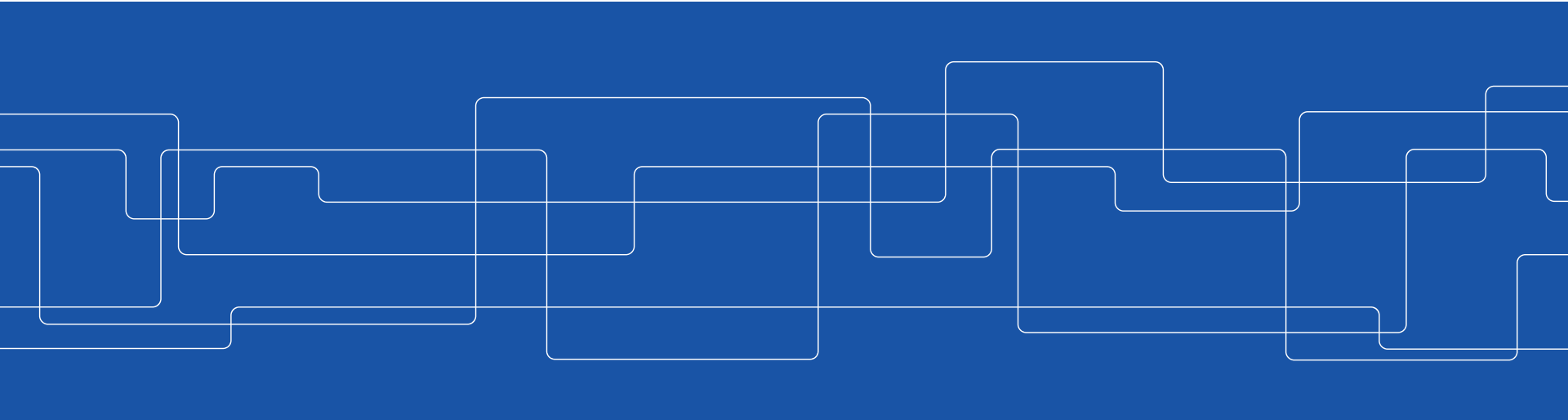
Confidentiality & IPRs

- You may end up with two documents:
 - Report a: includes confidential material
 - Report b: excludes confidential material used for grading

- Working documents (drafts, ...) can include confidential material
 - Use email addresses inside KTH for exchange
 - Emails leaving KTH domain are public again



Thanks for your attention!



Appendix A. Tables for Active listeners and for presentation seminar and opposition seminar

Active listeners (actively participating in other students seminars)

Seminar	Title of the thesis and date of presentation	Name of the presenting student	Signature of the presenting student's examiner (must be signed at the seminar)
<i>Seminar 1</i>			
<i>Seminar 2</i>			

Presentation seminar

Presentation Date	Name of the student that oppose	Name of the opponent's examiner	Signature of the presenting student's examiner (must be signed at the seminar)

Opposition seminar

Opposition Date	Name of the student that presents	Name of the examiner for the presenting student	Signature of the presenting student's examiner (must be signed at the seminar)

OBSERVE! Do not forget to fill in the opposition report and hand it in, not later than the day before presentation day. Hand over the report to the examiner of the student, that is presenting the thesis, and to your own examiner.